

**In the United States Patent and Trademark Office  
Patent Application Transmittal**

**Transmitted herewith for filing is the Patent Application of:**

Inventors(s): Katsuyoshi Katoh and Kazuhiko Maeda

For: Antenna Unit And Wireless Communication Apparatus

ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE RESIDENCE: Armonk, New York

22581 U.S. PTO  
10/730322  
120803

**Enclosed are**

**18** pages of specification, including **12** claims, plus **6** sheets of **formal** drawings.

An assignment of the invention to International Business Machines Corporation, Armonk, New York 10504.

X A certified copy of a/an **2003-056376 Japan** application.

X Declaration and Power of Attorney. Not Fully Executed  
PTO-1449

X A return post card

**Filing Fee Calculation (For Other Than Small Entity)**

Basic Fee:						\$770.00
Claims Fees:	Filed	Limit	Extra		Rate per Extra	
Total claims:	12	20	0		\$18.00	\$0.00
Independent claims:	4	3	1		\$84.00	\$84.00
Multiple Dependent Claim Presented					\$280.00	\$0.00
<b>Total</b>						<b>\$854.00</b>

Please charge Deposit Account **09-1990** for the **Total** set forth above. The Commissioner is authorized to charge payment of any additional filing fees required under 37 CFR §1.16 and any patent application processing fees under 37 CFR §1.17 or to credit any overpayment to the identified account. A duplicate copy of this sheet is enclosed.

**Express Mail Certificate**

Express Mail Label No: EV331728786US

Date: December 08, 2003

I hereby certify that I am depositing the papers identified above with the U.S. Postal Service "Express Mail Post Office to Address" service on the above date, addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

  
Michele M. Fitzsimmons

BY:

J. Bruce Schelkopf

Attorney of Record Reg. No. 43901

Date: December 08, 2003

IBM Corporation  
Intellectual Property Law Dept. 9CCA/B002  
P.O. Box 12195  
Res. Tri. Park, NC 27709

Telephone: 919-543 4753 FAX 919-254-2649